

SECTION 6 – INJECTION WELL PLUGGING PLAN

This Injection Well Plugging plan for Hackberry Carbon Sequestration Well No. 001 was prepared to meet the requirements of SWO 29-N-6, §631 [40 CFR §146.92]. Section 6 only provides a general description of the steps that will be taken to plug and abandon the planned stages of well development through final abandonment. Complete plugging and abandonment prognoses have been included in Appendix J of this application.

TABLE OF CONTENTS:

Sub-Completion Intervals1

 Pre-Plugging Activities1

 Plugging Activities.....2

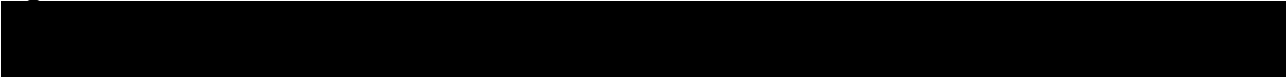
Final Plugging and Abandonment4

 Pre-Plugging Activities4

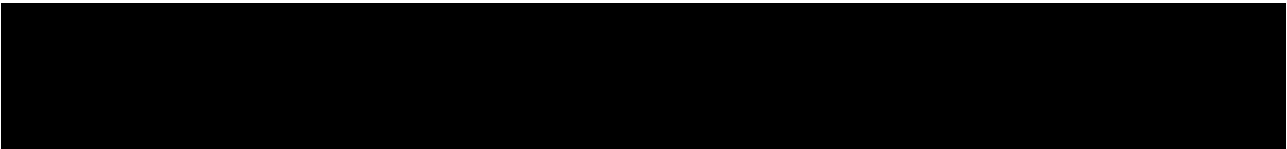
 Plugging Activities.....4

 Plug Details5

Figures



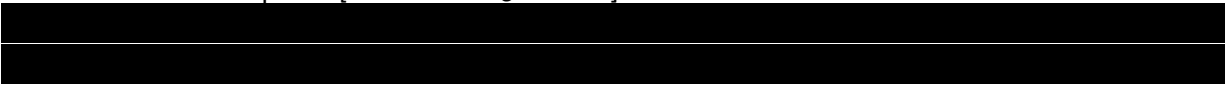


Tables





Sub-Completion Intervals

Pre-Plugging Activities

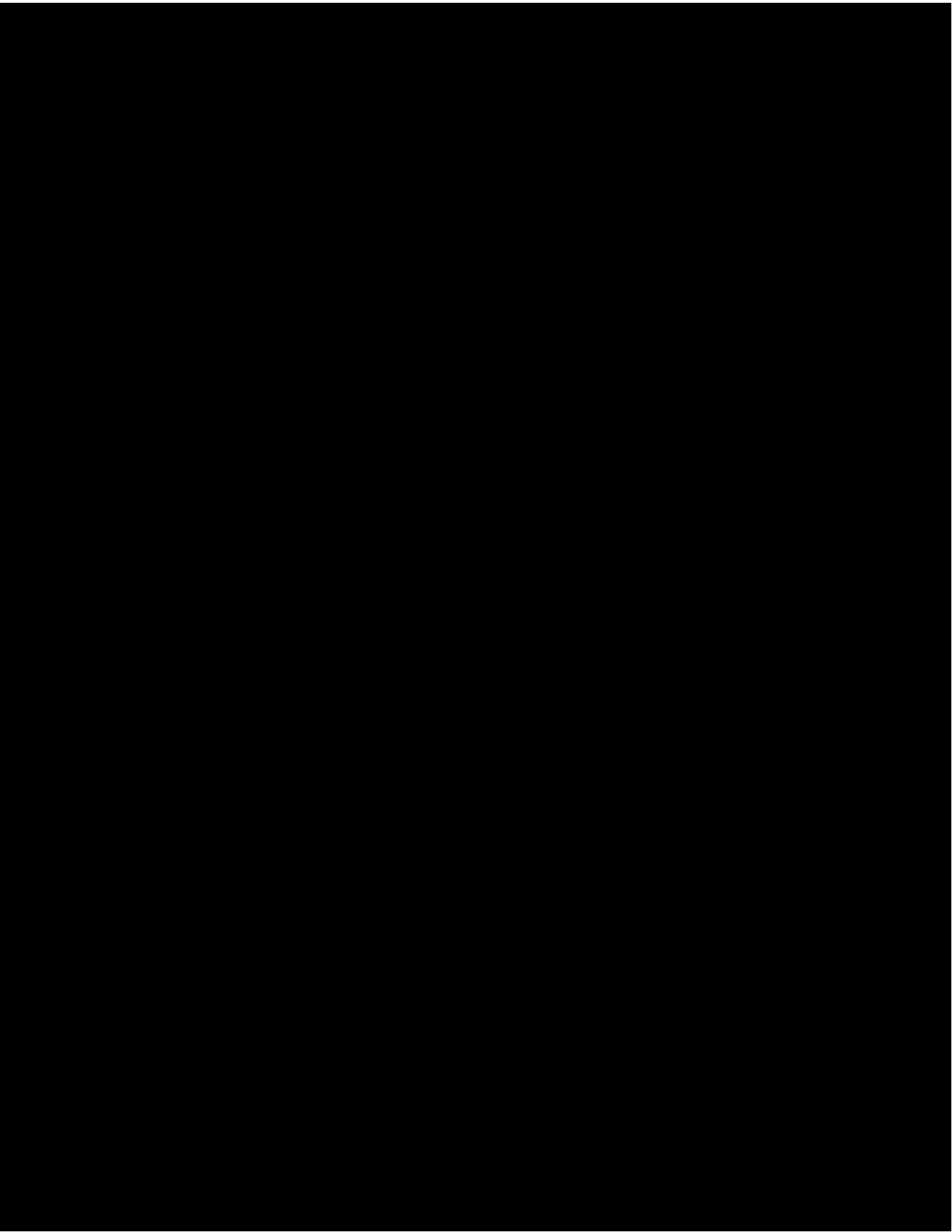
1. Hackberry Carbon Sequestration, LLC will comply with all reporting and notification provisions.
 - a. EPA UIC Program Director will be notified 60 days in advance of planned plugging efforts. [40 CFR **§146.92(c)**]
 - b. Notice of Intent to Plug will be communicated to the Louisiana DNR by submitting Form UIC-17 with detailed plans. [SWO 29-N-6 **§631.A.4**]
 2. 
 [SWO 29-N-6 **§631.A.2**; 40 CFR **§146.92(a)**]
 3. External mechanical integrity will be demonstrated through approved temperature logging methods described in Section 5 – Testing & Monitoring Plan. [SWO 29-N-6 **§631.A.2**; 40 CFR **§146.92(a)**]
 4. The injection well will be flushed with a buffer fluid prior to pulling injection tubing and packer. [SWO 29-N-6 **§631.A.2**; 40 CFR **§146.92(a)**]
 5. All uncemented, non-permanent components of the well will be removed.
 6. Casing inspection and cement bond logs will be performed prior to plugging.
- 

Plugging Activities



The injection tubing and packer will be removed with the tubing string and packer being inspected for any signs of damage, corrosion, or premature wearing caused by the corrosive nature of the injection operations. If necessary, retooling will be performed on these components.





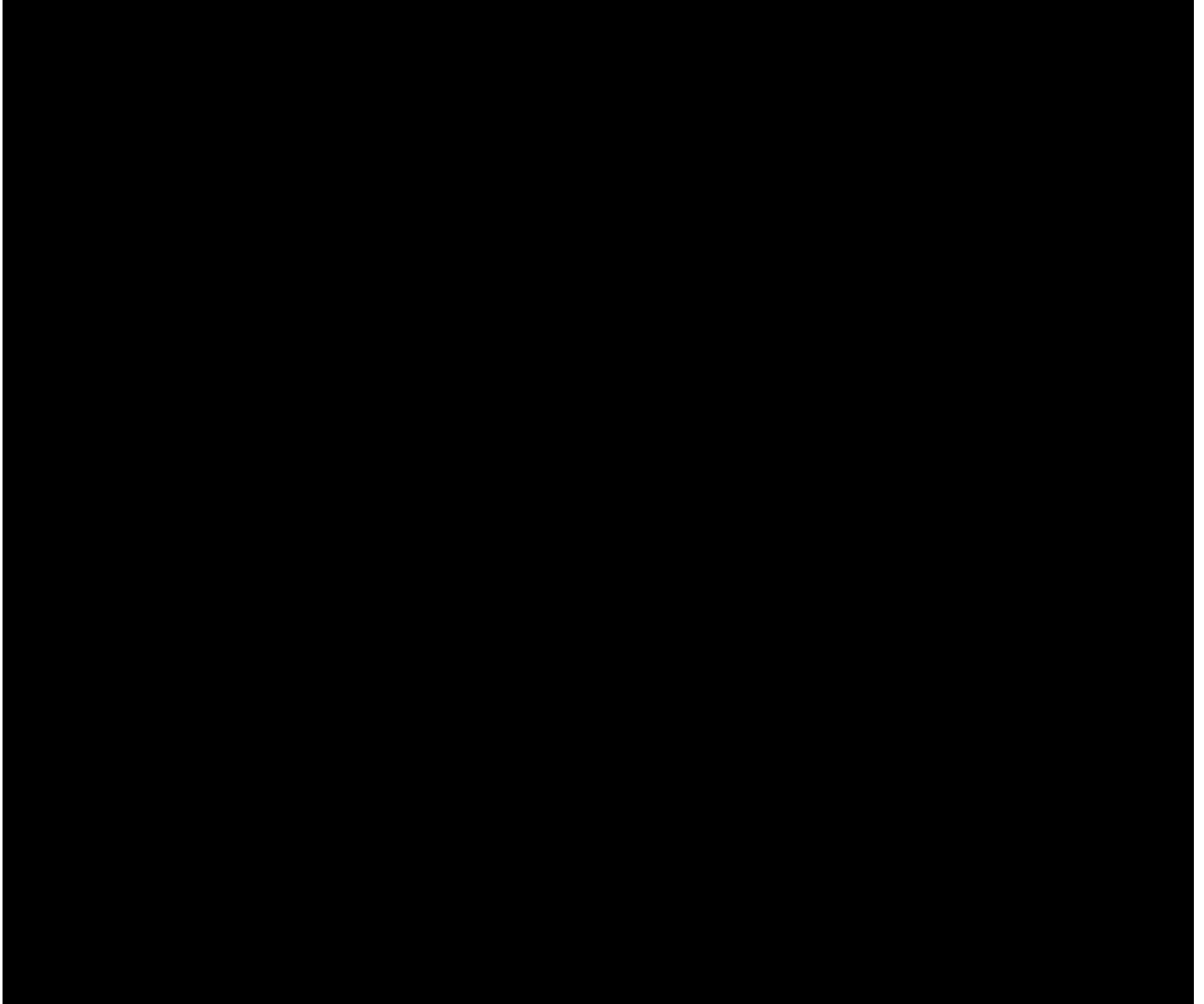
Final Plugging and Abandonment

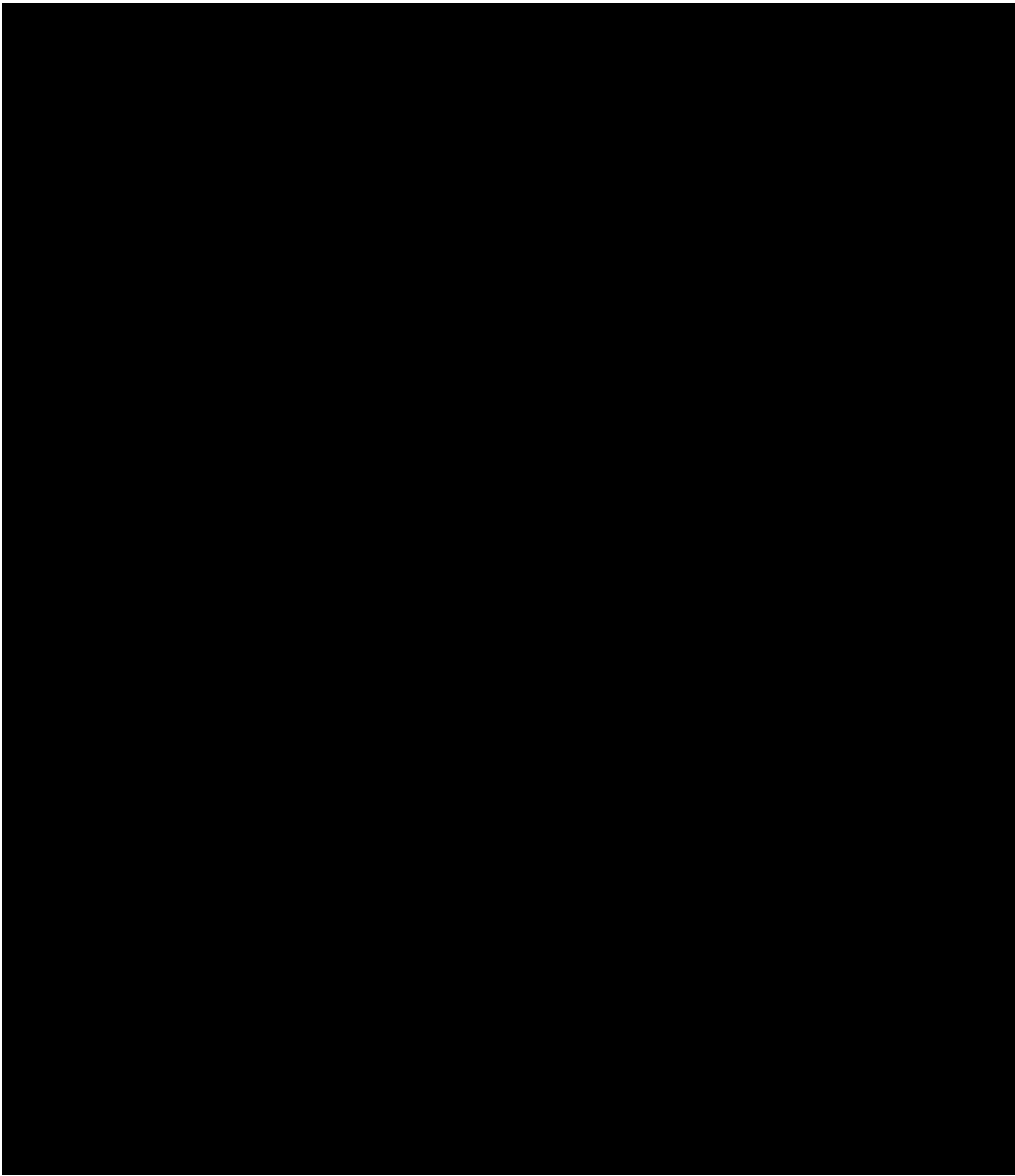
Pre-Plugging Activities

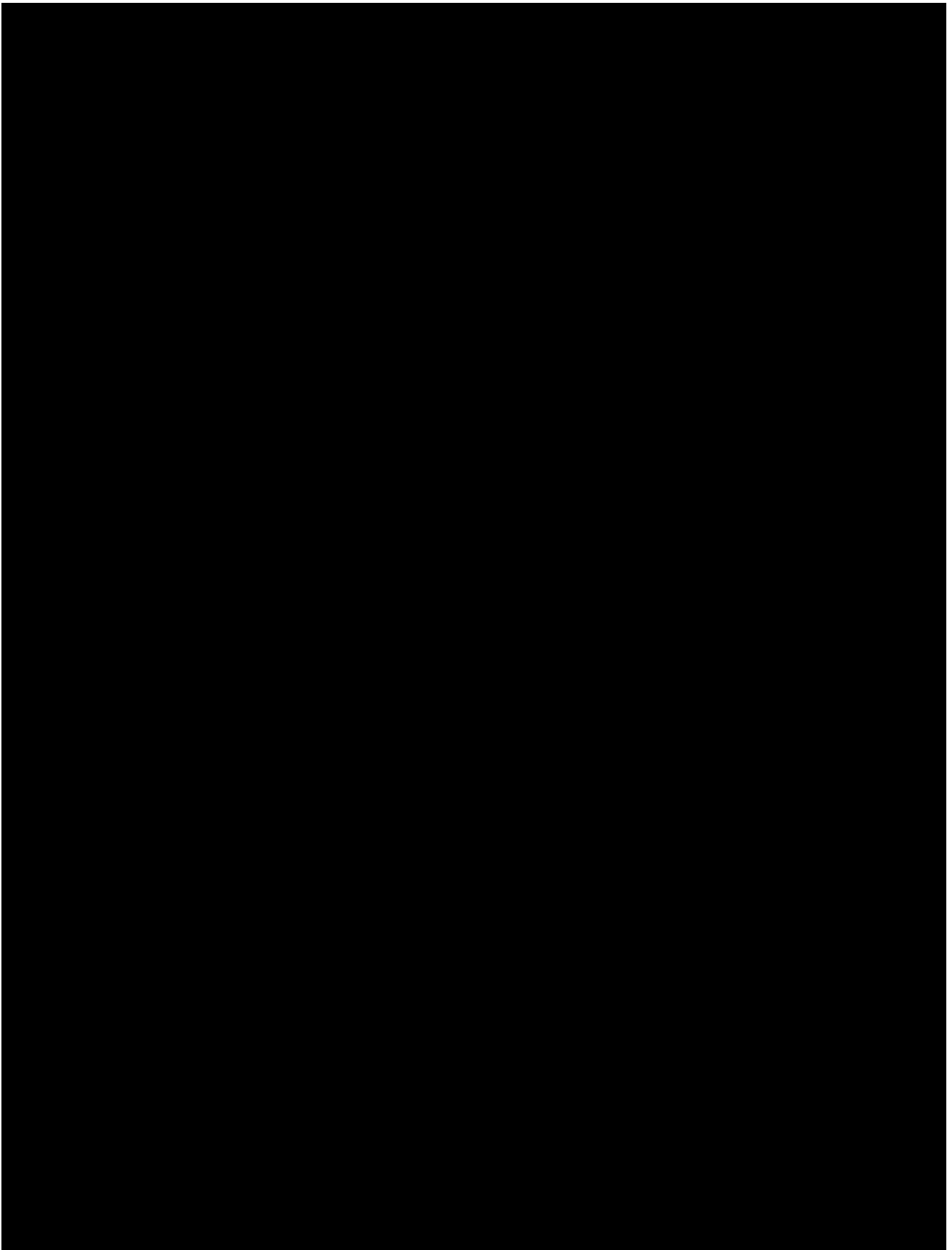
1. Hackberry Carbon Sequestration, LLC will comply with all reporting and notification provisions.
 - a. EPA UIC Program Director will be notified 60 days in advance of planned plugging efforts. [40 CFR §146.92(c)]
 - b. Notice of Intent to Plug will be communicated to the Louisiana DNR by submitting Form UIC-17 with detailed plans. [SWO 29-N-6 §631.A.4]
2. [REDACTED]
[SWO 29-N-6 §631.A.2; 40 CFR §146.92(a)]
3. External mechanical integrity will be demonstrated through approved temperature logging methods described in Section 5 – Testing & Monitoring Plan. [SWO 29-N-6 §631.A.2; 40 CFR §146.92(a)]
4. The injection well will be flushed with a buffer fluid prior to pulling injection tubing and packer. [SWO 29-N-6 §631.A.2; 40 CFR §146.92(a)]
5. All uncemented, non-permanent components of the well will be removed.
6. Casing inspection and cement bond logs will be performed prior to plugging.

Plugging Activities

Plug Details







[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]